

Title (en)  
RIBBON SUPPLY TENSIONING MEANS AND PRINTING MACHINE THEREWITH

Publication  
**EP 0028873 A3 19820512 (EN)**

Application  
**EP 80302543 A 19800725**

Priority  
US 6187979 A 19790730

Abstract (en)  
[origin: EP0028873A2] The ribbon (20) is impelled to a point of use by a capstan (70) in frictional engagement with the ribbon. A resilient foam pad (95) is provided for urging the ribbon into frictional engagement with a frictional surface on the capstan. As a result, in operation the motion of the ribbon is damped by the force exerted on it by the foam pad. Any additional ink which has accumulated on the ribbon, as well as any contamination, is wiped off by the disposition of the inked surface of the ribbon in contact with the pad. The pad provides a damping mechanism so that when the capstan is moved incrementally by a stepping motor, the ribbon moves no further than is necessary and so is not wasted.

IPC 1-7  
**B41J 35/08; B41J 33/52**

IPC 8 full level  
**B41J 33/14** (2006.01); **B41J 33/52** (2006.01); **B41J 35/08** (2006.01)

CPC (source: EP)  
**B41J 33/52** (2013.01); **B41J 35/08** (2013.01)

Citation (search report)  
• [Y] US 4132485 A 19790102 - HESS ERNST P  
• [Y] US 4013160 A 19770322 - COLECCHI PAUL S, et al  
• [A] DE 2452103 A1 19760506 - ANKER WERKE AG

Cited by  
US4650351A; US11633970B2

Designated contracting state (EPC)  
BE CH DE FR GB IT

DOCDB simple family (publication)  
**EP 0028873 A2 19810520; EP 0028873 A3 19820512**; AU 6087980 A 19810205; BR 8004749 A 19810210; CA 1144885 A 19830419; JP S5621882 A 19810228

DOCDB simple family (application)  
**EP 80302543 A 19800725**; AU 6087980 A 19800729; BR 8004749 A 19800729; CA 351655 A 19800509; JP 10376380 A 19800730